

# Appendix C:

## *Summary of 1996 Technical Information*

*NOTE: Some States did not update all of the technical data used to generate Tables C-1 through C-5.*

**Table C-1**

1996 Clean Water Needs Survey  
Number of Operational Treatment Facilities and  
Collection Systems in 1996

Table C-1 summarizes the number of treatment facilities and collection systems in operation in 1996 in each State and U.S. Territory.

State	Treatment Facilities	Collection Systems	State	Treatment Facilities	Collection Systems
Alabama	273	310	Nevada	55	58
Alaska	49	54	New Hampshire	84	115
Arizona	144	157	New Jersey	145	516
Arkansas	315	359	New Mexico	106	118
California	588	793	New York	517	929
Colorado	300	354	North Carolina	485	574
Connecticut	91	135	North Dakota	297	302
Delaware	17	35	Ohio	685	927
Dist. of Columbia	1	1	Oklahoma	497	514
Florida	268	317	Oregon	208	240
Georgia	379	486	Pennsylvania	740	1,410
Hawaii	25	25	Rhode Island	20	29
Idaho	166	191	South Carolina	207	246
Illinois	726	1,005	South Dakota	281	284
Indiana	393	447	Tennessee	246	310
Iowa	726	759	Texas	1,311	1,576
Kansas	576	608	Utah	108	182
Kentucky	236	288	Vermont	92	102
Louisiana	309	364	Virginia	242	345
Maine	141	174	Washington	258	329
Maryland	164	219	West Virginia	204	278
Massachusetts	122	216	Wisconsin	592	787
Michigan	391	645	Wyoming	103	120
Minnesota	511	634	Amer. Samoa	2	2
Mississippi	301	344	Guam	7	7
Missouri	652	708	No. Marianas	2	2
Montana	175	182	Puerto Rico	30	30
Nebraska	449	516	Virgin Islands	12	12
			<b>Total</b>	<b>16,024</b>	<b>20,670</b>

**Table C-2**

1996 Clean Water Needs Survey  
Number of Operational Treatment Facilities and Collection Systems  
When All Documented Needs Are Met

Table C-2 summarizes the number of treatment facilities and collection systems planned to be in operation in each State and U.S. Territory when all documented needs are met.

<b>State</b>	<b>Treatment Facilities</b>	<b>Collection Systems</b>	<b>State</b>	<b>Treatment Facilities</b>	<b>Collection Systems</b>
Alabama	436	483	Nevada	65	69
Alaska	58	61	New Hampshire	88	124
Arizona	184	206	New Jersey	153	553
Arkansas	370	430	New Mexico	116	132
California	643	869	New York	652	1,128
Colorado	315	382	North Carolina	543	741
Connecticut	104	161	North Dakota	297	302
Delaware	19	49	Ohio	797	1,137
Dist. of Columbia	1	1	Oklahoma	501	533
Florida	292	345	Oregon	216	253
Georgia	343	495	Pennsylvania	977	1,794
Hawaii	33	33	Rhode Island	22	33
Idaho	189	219	South Carolina	234	289
Illinois	819	1,125	South Dakota	290	293
Indiana	434	510	Tennessee	254	331
Iowa	739	773	Texas	1,540	1,849
Kansas	600	648	Utah	122	208
Kentucky	317	392	Vermont	96	110
Louisiana	426	492	Virginia	298	447
Maine	161	198	Washington	271	353
Maryland	189	322	West Virginia	452	631
Massachusetts	137	257	Wisconsin	644	982
Michigan	441	740	Wyoming	103	120
Minnesota	532	665	Amer. Samoa	2	2
Mississippi	373	470	Guam	6	7
Missouri	716	842	No. Marianas	4	4
Montana	193	211	Puerto Rico	30	30
Nebraska	454	525	Virgin Islands	12	12
			<b>Total</b>	<b>18,303</b>	<b>24,371</b>

**Table C-3**

1996 Clean Water Needs Survey  
Number of Treatment Facilities by Flow Range

Table C-3 shows, for five flow ranges, the number of treatment facilities in operation in 1996 and projected to be in operation when all documented needs are met. The number of facilities and their cumulative flow (in millions of gallons per day) are shown for each of the flow ranges.

**TREATMENT FACILITIES IN OPERATION IN 1996**

<b>Existing Flow Range (mgd)</b>	<b>Number of Facilities</b>	<b>Total Existing Flow (mgd)</b>
0.000 to 0.100	6,444	287
0.101 to 1.000	6,476	2,323
1.001 to 10.000	2,573	7,780
10.001 to 100.000	446	11,666
100.001 and greater	47	10,119
Other*	38	—
<b>Total</b>	<b>16,024</b>	<b>32,175</b>

**TREATMENT FACILITIES IN OPERATION WHEN ALL DOCUMENTED NEEDS ARE MET**

<b>Design Flow Range (mgd)</b>	<b>Number of Facilities</b>	<b>Total Future Design Flow Capacity (mgd)</b>
0.000 to 0.100	6,449	320
0.101 to 1.000	7,522	2,794
1.001 to 10.000	3,528	11,478
10.001 to 100.000	727	19,093
100.001 and greater	69	15,102
Other*	8	—
<b>Total</b>	<b>18,303</b>	<b>48,787</b>

\*Note: Flow data were unavailable for these facilities.

**Table C-4**

1996 Clean Water Needs Survey  
Number of Treatment Facilities by Level of Treatment

Table C-4 shows, by level of treatment, the number of treatment facilities in operation in 1996 and projected to be in operation when all documented needs are met. The number of facilities, their cumulative capacities (in millions of gallons per day), and the population served are shown for each level of treatment.

**TREATMENT FACILITIES IN OPERATION IN 1996**

<b>Level of Treatment</b>	<b>Number of Facilities</b>	<b>Present Design Capacity (mgd)</b>	<b>Number of People Served</b>	<b>Percent of U.S. Population</b>
Less than Secondary Treatment	176	3,054	17,177,492	6.5
Secondary Treatment	9,388	17,734	81,944,349	31.0
Greater than Secondary Treatment	4,428	20,016	82,928,182	31.4
No Discharge	2,032	1,421	7,660,876	2.9
<b>Total</b>	<b>16,024</b>	<b>42,225</b>	<b>189,710,899</b>	<b>71.8</b>

**TREATMENT FACILITIES IN OPERATION WHEN ALL DOCUMENTED NEEDS ARE MET**

<b>Level of Treatment</b>	<b>Number of Facilities</b>	<b>Future Design Capacity (mgd)</b>	<b>Number of People Served</b>	<b>Percent of U.S. Population</b>
Less than Secondary Treatment	61	601	5,513,147	1.8
Secondary Treatment	9,738	17,795	102,321,429	32.9
Greater than Secondary Treatment	6,135	28,588	152,724,017	49.0
No Discharge	2,369	1,803	14,163,722	4.5
<b>Total</b>	<b>18,303</b>	<b>48,787</b>	<b>274,722,315</b>	<b>88.2</b>

**Table C-5**

1996 Clean Water Needs Survey  
Number of Combined Sewer Facilities

Table C-5 presents the number of combined sewer facilities identified during the 1996 CWNS.

<b>State</b>	<b>Number of Facilities</b>	<b>State</b>	<b>Number of Facilities</b>
Alabama	0	Nevada	0
Alaska	1	New Hampshire	5
Arizona	0	New Jersey	37
Arkansas	0	New Mexico	0
California	4	New York	64
Colorado	1	North Carolina	1
Connecticut	10	North Dakota	0
Delaware	2	Ohio	110
Dist. of Columbia	1	Oklahoma	0
Florida	0	Oregon	5
Georgia	6	Pennsylvania	110
Hawaii	0	Rhode Island	3
Idaho	0	South Carolina	0
Illinois	104	South Dakota	3
Indiana	119	Tennessee	3
Iowa	16	Texas	0
Kansas	3	Utah	0
Kentucky	24	Vermont	20
Louisiana	0	Virginia	4
Maine	46	Washington	16
Maryland	8	West Virginia	57
Massachusetts	28	Wisconsin	3
Michigan	48	Wyoming	0
Minnesota	2	Amer. Samoa	0
Mississippi	0	Guam	0
Missouri	12	No. Marianas	0
Montana	1	Puerto Rico	0
Nebraska	3	Virgin Islands	0
		<b>Total</b>	<b>880</b>